

USCMS Engineer Status Report for September 2003

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1 Work Performed This Month

Visualisation subsystems from different projects (COBRA, ORCA, OSCAR, IGUANA) have been pulled out to form a new CMS SCRAM-based project - IGUANACMS. IGUANA remains experiment independent project. Geant3 and Geant4 related parts of IGUANA have been moved to IGUANACMS.

Base visualisations (common part of both former ORCA and OSCAR visualisations) have been merged.

The advantages of such a split: cleaner dependencies for all CMS projects, faster (no need to wait for Visualisation subsystem) and easier release sequences: CMS visualisation is released for consistent and stable set of CMS projects.

New web site iguanacms.web.cern.ch/iguanacms is created with link to CVS browser.

More details:

- o) Configuration cleanup, consistent BuildFiles, consistent plugins, code cleanup;
- o) Code re-organisation to allow two-step release (a la ORCA: production, reconstruction);
- o) Port to the new persistency (POOL), tests;
- o) Port to Qt v 3.2.1: use of new standard Qt widgets instead of home grown code (splash screen, etc.);
- o) Check on the GEANEUSED environment variable added - no reconstruction plugins for Muon are loaded if a user decides to continue after a warning dialog pops-up.

2 Plans For Next Month

- o) Port IGUANACMS to the new shapes, performance tests;
- o) Working ORCA/OSCAR visualisation with documentation;
- o) First release of IGUANACMS.